

PHOENIX Audio Technologies

Using the AKG CHM99 with the Phoenix Stingray

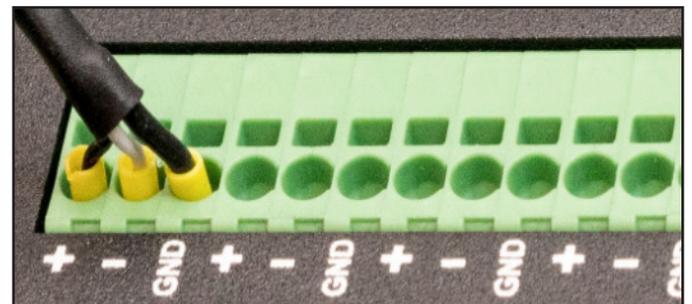
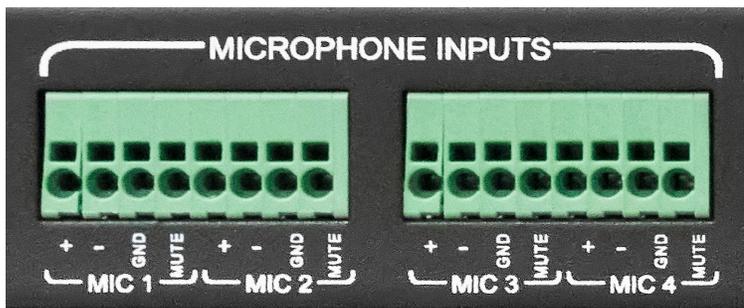
The CHM99 Condenser Hanging Microphone by AKG is a Cardioid microphone that can be placed on the table as a gooseneck microphone or hang from the ceiling.



AKG CHM99 Specifications
Microphone Sensitivity: 18 mV/PA
Dynamic Range: 73 dB-A
Require Phantom Power: 9-52V

Recommended Mic Sensitivity
Ceiling Mount : 38 dB
Table Top: 38dB

1) The microphone should be connected to the "microphone input" port of the Stingray



Setting the Stingray

The Stingray's mixer should be assigned to the mic input. The setting can be selected either via the device front panel or through the Stingray's setup GUI.

Stingray Front Panel :

1) From the front panel enter into the menu



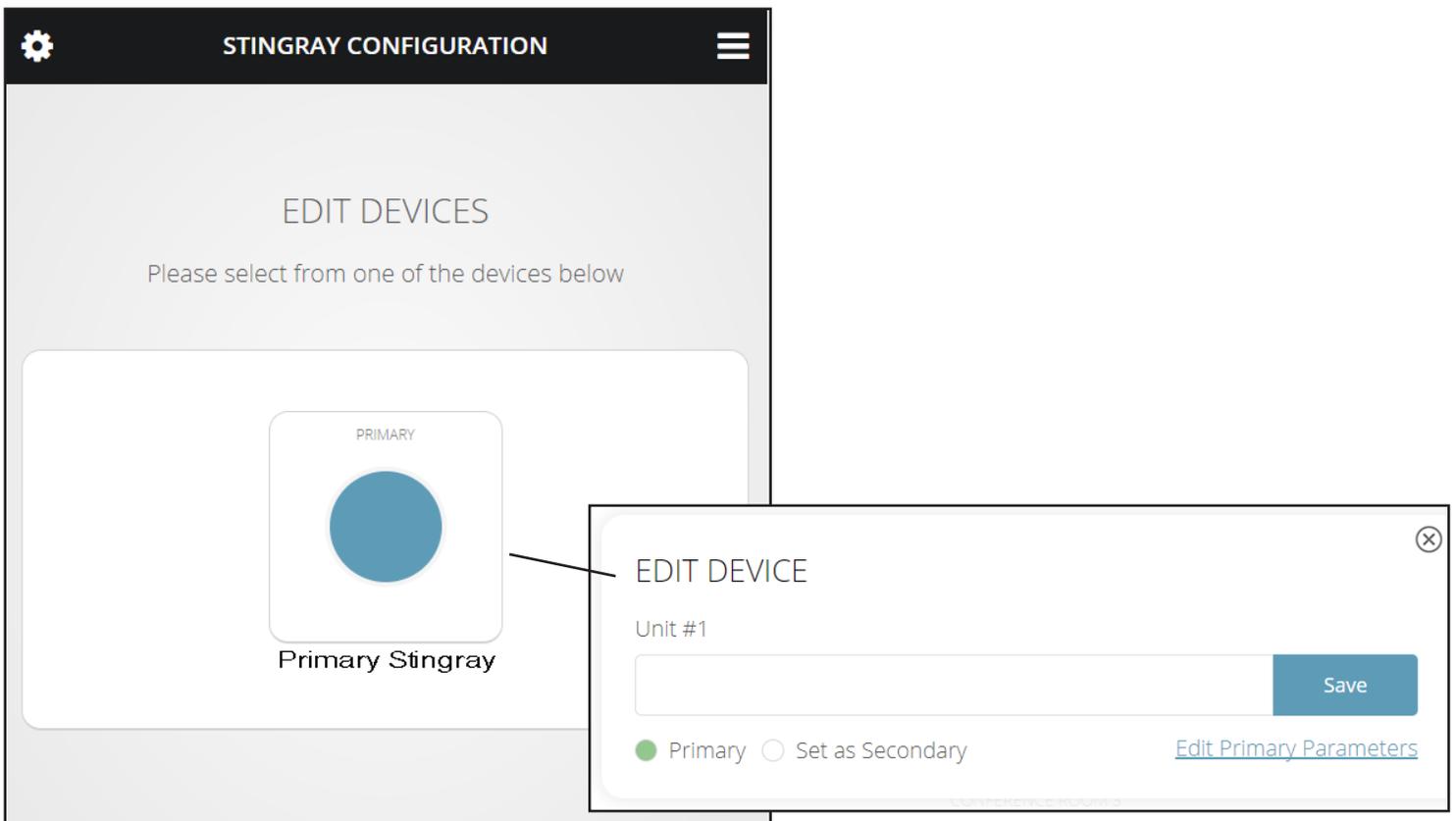
2) Scroll down to the second menu item which is the "automatic mixer selection".

3) Select it, and in it select "mix microphone input".

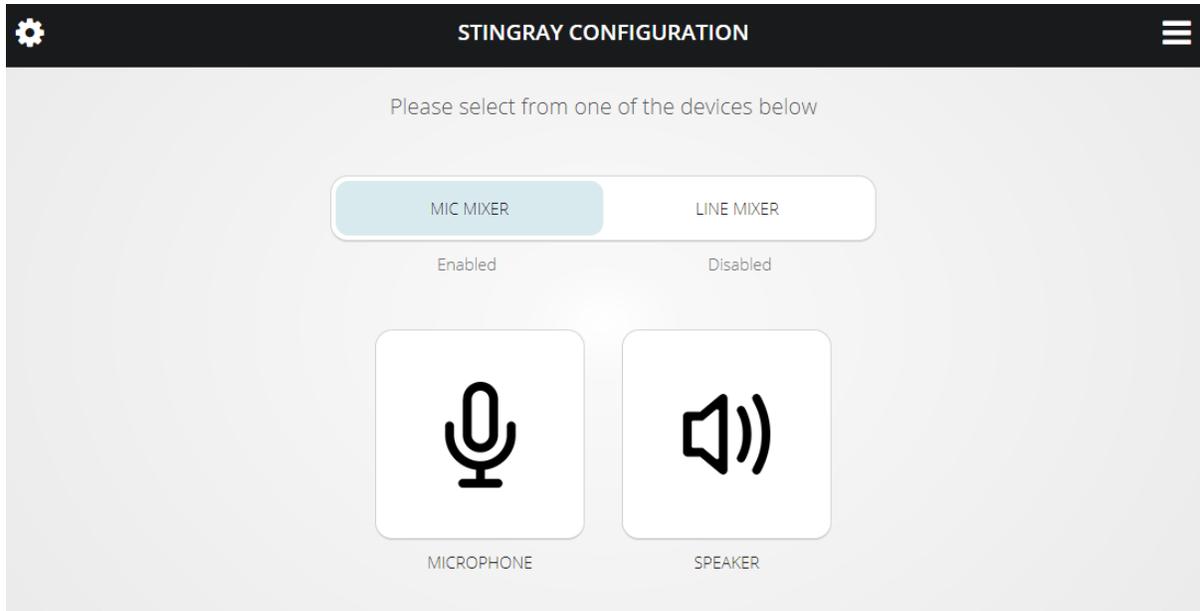


Stingray GUI:

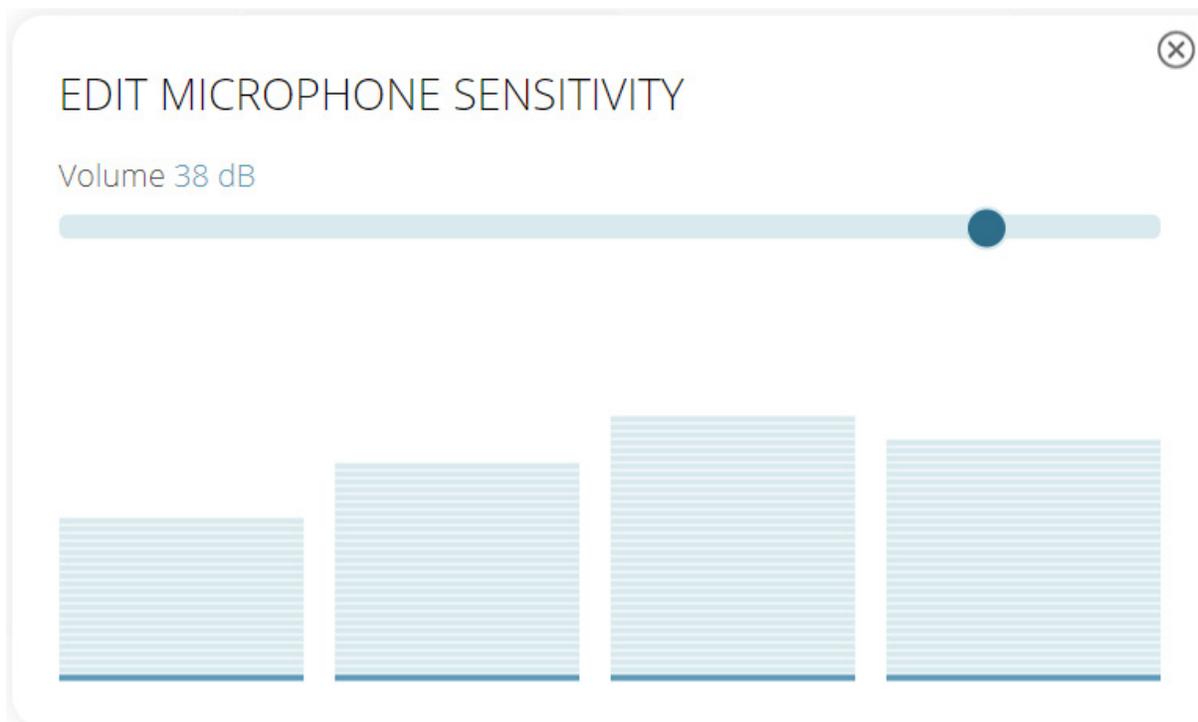
1) Select the primary unit and then click on "edit primary parameters".



2) In the next screen you should select MIC MIXER.



3) Select the Microphone button to adjust microphone sensitivity. You can also view the microphone levels from this screen.



AKG CHM99 - Tested Configurations

1) Ceiling Mount

Challenges

- Major concern is the loudspeaker sound and/or the air-conditioning noise (both assumed to come from the ceiling) will bring the microphone into saturation.

Solution

- We recommend setting the sensitivity level such that with a reasonably loud signal coming out of the speaker the microphone will still not get into saturation.
- Recommended Stingray Sensitivity Level 38 dB.
- **Recommended placing ceiling mounted microphones more than 1.5 ft. away from the AC vents and/or the speaker.**

2) Table Top Gooseneck

Challenges

- Users operating the microphone at close ranges and different speaking volumes.

Solution

- Recommended Stingray Sensitivity Level 42 dB.
- Safe Setting 38dB - for wider volume range coverage

Note: AKG CHM99 has a gain setting which was not altered during our test. The microphone setting was tested using the factory defaults and if the setting are changed, it may affect the recommended gain setting on the Stingray.

For more information, please visit our website at [Phoenix Audio Technologies](https://www.phoenixaudio.com).